



BLUECHIP

Metal Cladding



ULTRACORE **IQ**



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ULTRACORE IQ

Intelligent Non-combustible Core Panel

Description

ULTRACORE IQ intelligent core panel is Deemed-to-Satisfy non-combustible when tested to AS 1530.1 and AS 1530.3 as per the requirements of the NCC 2022, Clause C2D10(6)(g) and installed using the mechanical cassette-fix system as per NCC 2022, Clause C2D15(1). It has also been tested by Exova Warringtonfire to BS 8414 and AS 5113 full-scale testing to prove it does not contribute to the spread of fire. Visually, ULTRACORE IQ intelligent non-combustible core panel looks the same as traditional aluminium composite panel but with zero combustible core content (0%) meaning it achieves the lowest risk rating, category D, from the Insurance Council of Australia.

Product Benefits



PROVEN V-GROOVE DURABILITY

Unlike 3mm SOLID aluminium, ULTRACORE IQ has 40 years of proven durability when using the common v-groove folding system. This is because the front skin is not impacted when v-grooving, as has always been intended.



LESS THERMAL CONDUCTIVITY

ULTRACORE IQ aluminium core panel has thermal conductivity of 2.54 W/mK compared to 205 W/mK for SOLID aluminium panel. This means 80x less heat transfer into the building for greater fire safety and section J compliance.



AS 1530.1 NON-COMBUSTIBLE

ULTRACORE IQ is one of the few aluminium panels globally that is Deemed-to-Satisfy non-combustible when tested to AS 1530.1 and AS 1530.3 in accordance with the NCC 2022 Clause C2D10(6)(g) requirements.



MECHANICAL CASSETTE-FIXING

Compared to a SOLID aluminium panel, ULTRACORE IQ is faster and easier to fabricate using the well-proven z-angle cassette-fix system making it more cost effective and compliant with C2D15(1).



AS 5113 FIRE TESTING

ULTRACORE IQ is Deemed-to-Satisfy non-combustible so does not require further testing. However it has been tested to AS 5113 full-scale testing by Exova Warringtonfire, proving it does not contribute to the spread of fire.



OIL-CANNING RESISTANCE

Oil-canning is the uneven distribution of tension in SOLID aluminium panels which results in a rippling effect on the facade. The superior mechanical properties of ULTRACORE IQ guarantees against oil-canning.



ZERO POLYETHYLENE (0%)

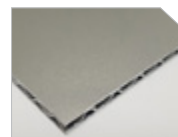
Unlike most other aluminium panel products including FR, Plus, A2 and NC type panels, the ULTRACORE IQ aluminium core contains ZERO percent flammable polyethylene (0%) and each lamina is 100% non-combustible.



LESS CARBON, LESS WEIGHT

ULTRACORE IQ intelligent core panel is 100% recyclable and uses 50% less aluminium per m² than 3mm SOLID aluminium for much less carbon footprint. It is also 50% lighter for significant structural and labour savings.

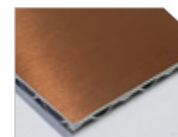
Product Range



ULTRACORE IQ
Metallic Colours



ULTRACORE IQ
Solid Colours



ULTRACORE IQ
Anodised Colours



ULTRACORE IQ
Timber & Metal
Imitation Colours



ULTRACORE IQ
Chromatic Colours

Availability

DESCRIPTION	SHEET SIZES	LEAD TIME	MOQ
ULTRACORE IQ Metallic Stock Colours UC9701, UC9205, UC9134, UC9137, UC9308, UC4150, UC5292, UC9809	2500, 3200, 4000 x 1500mm	Stock	1 Sheet
ULTRACORE IQ Solid Stock Colours UC1005, UC1025, UC9902, UC1255, UC1270, UC9130, UC1590, UC1460, UC1140, UC1190, UC1677	2500, 3200, 4000 x 1500mm	Stock	1 Sheet
ULTRACORE IQ Non-stock, BCG & Custom Colours	2500, 3200, 4000 x 1250mm 2500, 3200, 4000 x 1500mm	10-12 Weeks	300m ²
ULTRACORE IQ Anodised	2500, 3200, 4000 x 1250mm 2500, 3200, 4000 x 1500mm	16-19 weeks	300m ² *
ULTRACORE IQ Timber Imitations, Metal Imitations, Matt Colours	Information provided on request		

(*) 300m² Per WIDTH (1250mm OR 1500mm)

System Components



Sarking



Sub-Frame Systems



External Insulation & Fixings



Cladding Accessories



Prolastik, Sikaflex & Tesa

INSTALL & TECHNICAL

For installation and technical information, scan the QR code and view 'Downloads' tab.



ULTRACORE IQ

The Complete Package

1

Innovative support system:

Brackets and rails designed for high performance, design flexibility, and efficient installation

2

Certified fasteners and anchors:

All fixing components are manufactured from high quality corrosion resistant materials for long-term durability, strength, and ultimately, peace of mind

3

Full project support:

Expect BLUECHIP-grade customer service across your entire project, from tender to installation

4

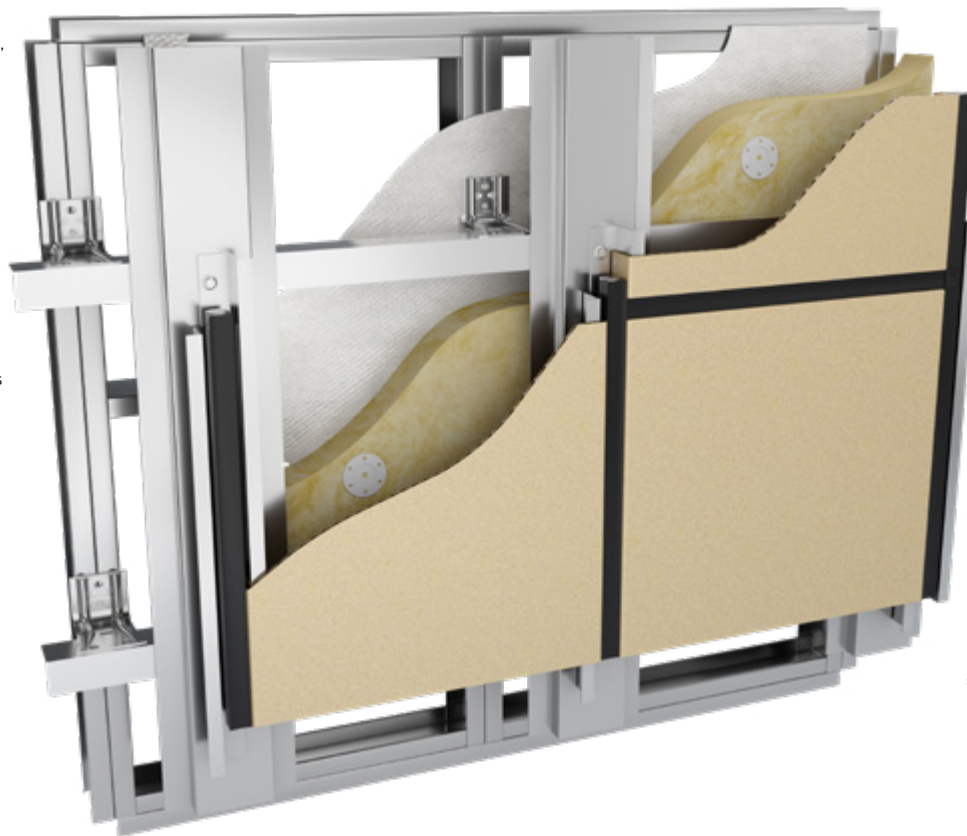
Reliable technical advice:

Our technical teams undertake all the calculations and drawings you need quickly and accurately, and provide you with technical advice you can trust

5

Fast turnaround:

A timely response on indicative costs, schematic drawings and quotes, and prompt on-site delivery - we have the set-up you need to keep your project moving

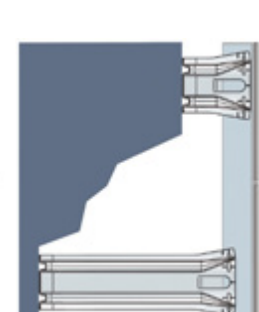
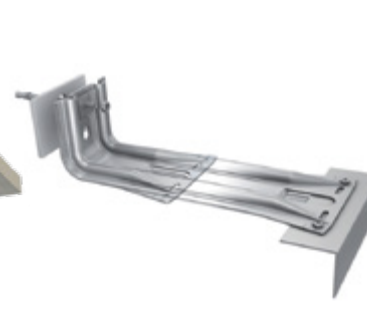
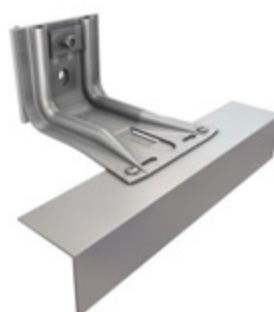
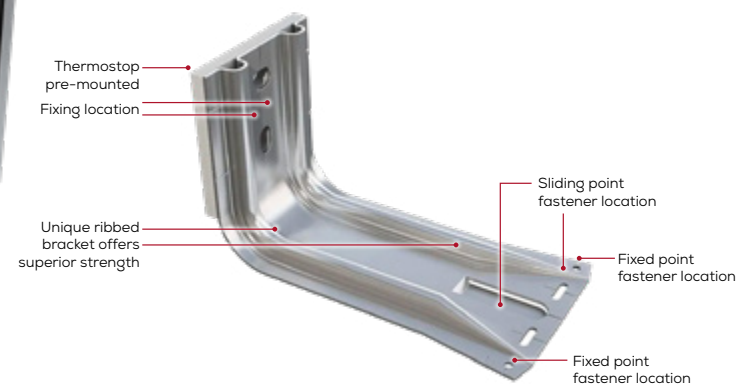


Highly versatile: The bracket and rail system can be configured for any rainscreen façade project – including sloping façades and curved structures. It is suitable for any substrate, cladding material or insulation thickness. As well as accommodating both vertical and horizontal installation configurations, the system can also be used in soffit applications

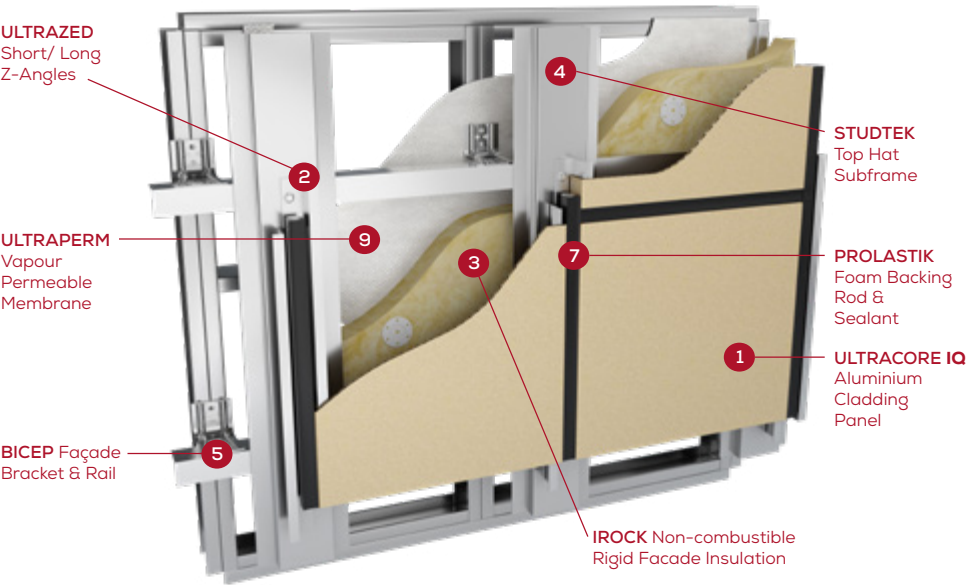
Third-party accredited: The BICEP® facade support system is manufactured to all current regulations and standards including EN1090, ISO9001 and ISO14001

Speed of installation: The system is configured to ensure quick and easy installation while maintaining the accuracy required for structural security

Cost effective: Thanks to the strength of the unique patented bracket design, potentially fewer brackets are needed per square metre – ensuring maximum quality and performance for minimum cost



Insulated Facade System



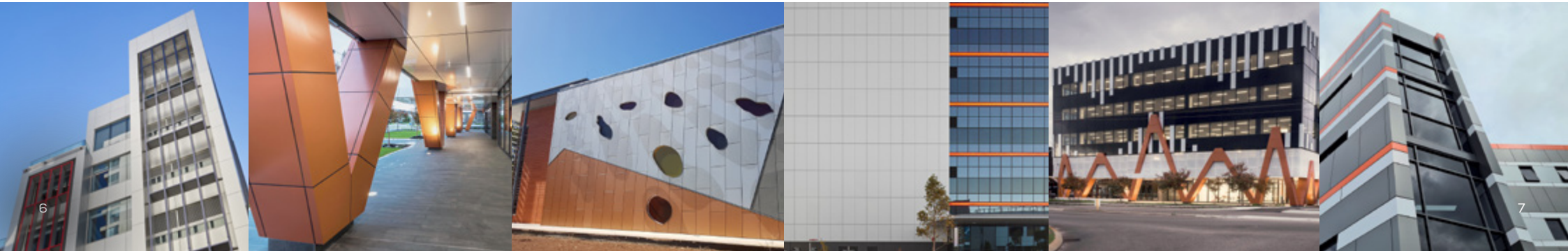
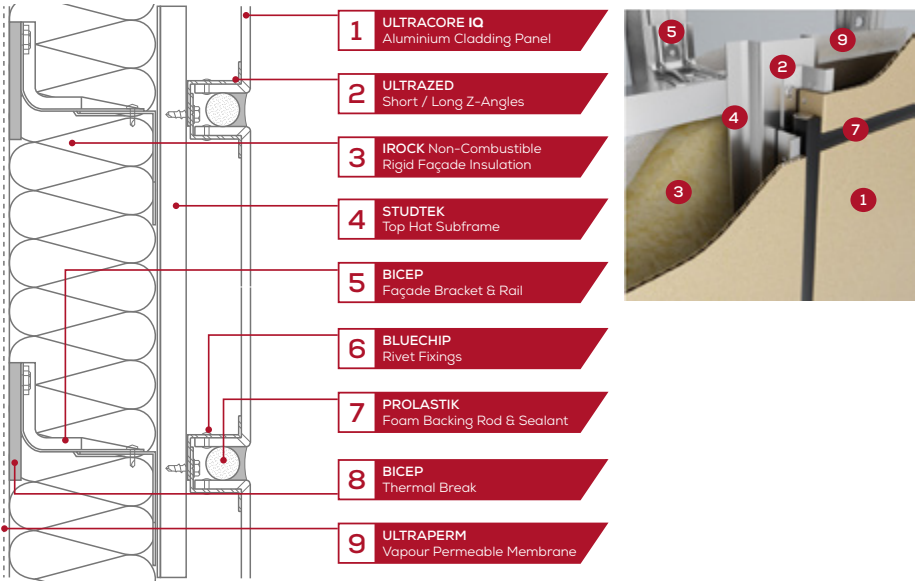
Facade System Specifications*

DESCRIPTION	NCC/BCA SECTION	AS/NZS TEST	RESULT
FIRE PERFORMANCE	C2D10	AS1S30.I	Deemed Non-combustible
CONDENSATION PERFORMANCE	F8D3	AS4200.I ASTM E96-2016	PASS PASS/ 2.72 - Class 4
WEATHER PROOFING PERFORMANCE	F3PI/ F3VI H2P2 / H2VI	AS4284	PASS
THERMAL PERFORMANCE	J4D3 J3D6	AS 4859.1 / ASTM C518	0.036W/mK 0.06W/mK
ACOUSTIC		ISO 354-2006	1.0 NRC

*Please contact us at sales@bluechipgroup.net.au to request a copy of our independent NATA testing and certification needed by your project team.

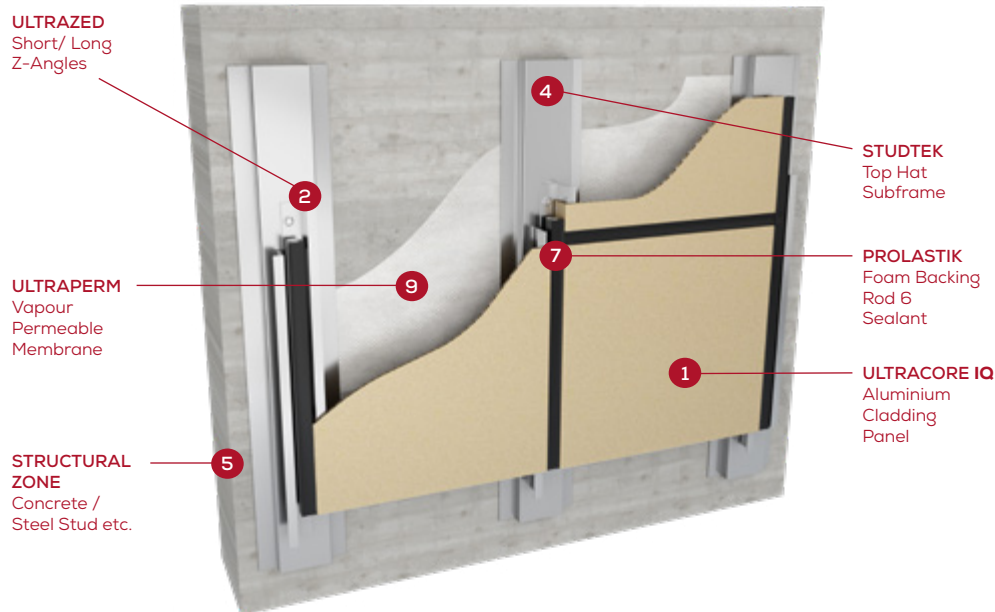
Specification

SYSTEM DESCRIPTION	ULTRACORE IQ Cassette Fixed to BICEP Bracket System with external IROCK Non-combustible Façade Insulation & Weather Barrier							
FACADE MATERIAL	ULTRACORE IQ Intelligent Core Panel							
COLOUR	Refer External Finishes Schedule							
FIXING METHOD	Cassette Fix							
SUB-FRAME SYSTEM	BICEP Bracket System For Insulated Facades							
EXTERNAL INSULATION	IROCK _mm Thick Non-Combustible Façade Insulation							
WEATHER BARRIER	ULTRAPERM Heavy Duty Vapour Permeable Membrane							
SYSTEM R-VALUE	30mm	40mm	50mm	60mm	80mm	100mm	120mm	140mm
	0.83	1.11	1.39	1.67	2.22	2.78	3.33	3.89



ULTRACORE IQ

Cassette Fix Facade System



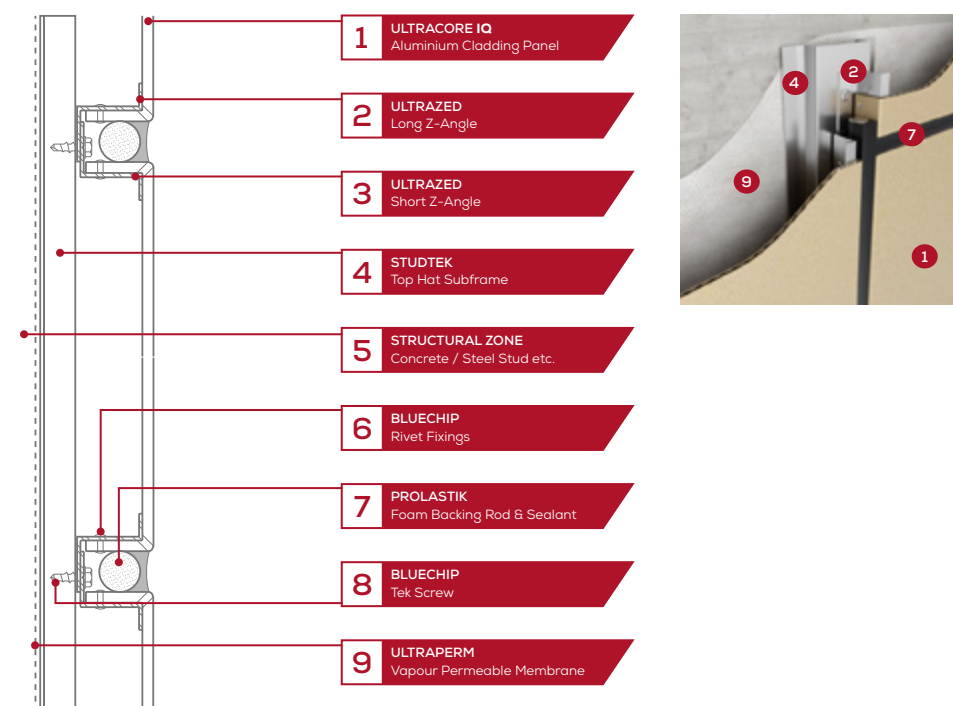
Facade System Specifications*

DESCRIPTION	NCC/BCA SECTION	AS/NZS TEST	RESULT
FIRE PERFORMANCE	C2D10	AS1S30.I	Deemed Non-combustible
CONDENSATION PERFORMANCE	F8D3	AS4200.I ASTM E96-2016	PASS PASS/ 2.72 - Class 4
WEATHER PROOFING PERFORMANCE	F3PI/ F3VI H2P2 / H2VI	AS4284	PASS

*Please contact us at sales@bluechipgroup.net.au to request a copy of our independent NATA testing and certification needed by your project team.

Specification

SYSTEM DESCRIPTION	ULTRACORE IQ Cassette Fixed to STUDTEK Top Hat Framing with Weather Barrier
FACADE MATERIAL	ULTRACORE IQ Intelligent Core Panel
COLOUR	Refer External Finishes Schedule
FIXING METHOD	Cassette Fix
SUB-FRAME SYSTEM	STUDTEK Top Hat Framing
WEATHER BARRIER	ULTRAPERM Heavy Duty Vapour Permeable Membrane



ULTRACORE IQ

Colour Chart

(s) after colour names indicates stock colours.
All other colours require lead times and minimum order quantities.

Metallic Colours



UC9701 Sterling Silver Metallic (s) UC9205 Champagne Metallic (s) UC9134 Smoke Silver Metallic (s) UC9137 Dark Grey Metallic (s) UC9308 Bronze Metallic (s) UC4344 Medium Bronze Metallic UC4370 Satin Brown Metallic UC5292 Obsidian Metallic (s)



UC4150 Gold Metallic (s) UC9809 Copper Metallic (s) UC2510 Terracotta Metallic UC4190 Tangerine Metallic UC4420 Blue Grey Metallic UC9031 Jade Metallic

Solid Colours



UC1005 Arctic White (s) UC1025 Arctic Gloss (s) UC9902 Clean White (s) UC1255 Volcanic Grey (s) UC1270 Hunter Grey (s) UC9130 Carbon Black (s) UC1460 Royal Blue (s) UC1140 Atomic Yellow (s)



UC1190 Pilbara Orange (s) UC1677 Centurion Red (s)

Custom Corporate Colours



UC9016 Traffic White UC9010 Pure White UC1013 Oyster White UC1015 Light Ivory UC1014 Ivory UC7044 Silk Grey UC7030 Stone Grey UC7005 Mouse Grey



UC9002 Grey White UC7035 Light Grey UC7004 Signal Grey UC7000 Squirrel Grey UC7011 Iron Grey UC7016 Anthracite Grey UC7022 Umbra Grey UC9005 Jet Black



UC6019 Pastel Green UC6021 Pale Green UC6018 Yellow Green UC6037 Pure Green UC6029 Mint Green UC6026 Opal Green UC6005 Moss Green UC6003 Olive Green



UC5024 Pastel Blue UC5023 Distant Blue UC5015 Sky Blue UC5021 Water Blue UC5019 Capri Blue UC5002 Ultramarine Blue UC5008 Grey Blue UC5011 Steel Blue



UC1016 Sulfur Yellow UC1018 Zinc Yellow UC1023 Traffic Yellow UC1037 Sun Yellow UC8008 Olive Brown UC8028 Terra Brown UC8019 Grey Brown UC4007 Purple Violet



UC1017 Saffron Yellow UC2003 Pastel Orange UC2004 Pure Orange UC2002 Vermillion UC3020 Traffic Red UC3001 Signal Red UC3003 Ruby Red UC3005 Wine Red



UNLIMITED CUSTOM COLOURS

ULTRACORE IQ has unlimited colour options, we are able to match any colour from any other colour range. With small MOQ's and fast lead times you can realise your vision.

ULTRACORE IQ

Colour Chart

Anodised Colours



UCA063 Flinders Chase UCA162 Pebbly Beach UCA630 Fairy Cove UCA118 Apsley River UCA036 Coomera Falls UCA133 Misty Creek UCA181 Red Lily UCA316 Cocoparra



UCA165 Pinnacle UCA029 Bondi UCA105 Joffre

Anodised Brushed Colours



UCA232 Whitsunday UCA111 Kosciuszko UCA194 Sandy Desert UCA916 Springbrook UCA313 Cradle Mountain UCA045 Daintree UCA132 Murray Sunset UCA139 Mimosa Rocks

Timber Imitations



UC8345 Mountain Ash UC8310 Rustic Pine UC8320 Unique Beli UC8340 Vintage Walnut UC8355 Elegant Teak UC8385 Ascot Teak UC8650 Noble Bloodwood UC8395 Polished Rengas

Metal Imitations



UC2200 Brushed Silver UC5220 Zinc Dark UC5260 Zinc Charcoal

Chromatic Colours



UC7090 Chromatic Golden Snow UC7430 Chromatic Sunset Purple UC7350 Chromatic Rustic Bronze UC7290 Chromatic Galaxy Silver UC7480 Chromatic Indigo Violet UC7450 Chromatic Oriental Silk UC7490 Chromatic Tropical Ocean UC7510 Chromatic Martian Green



UC7160 Chromatic Antique Gold UC7170 Chromatic Honey Gold UC7180 Chromatic Tiger Orange UC7190 Chromatic Sahara Copper

ULTRACORE IQ

CASE STUDIES

BARBAGALLO LAND ROVER & JAGUAR

Architect Giorgi Architects & Builders
Builder Giorgi Architects & Builders
Address 354 Scarborough Beach Road, Osborne Park WA, Australia
Product ULTRACORE IQ Intelligent Non-Combustible Core Panel
Colours



UC4240
Sunshine Grey
Metallic



UC9205
Champagne
Metallic

SELBY STREET

Architect Meyer Shircore
Builder PS Structures
Address 302 Selby Street, Osborne Park WA, Australia
Product ULTRACORE IQ Intelligent Non-Combustible Core Panel
Colours



UC7295
Sparkling
Black Gloss



UC1025
Arctic Gloss



UC1677
Centurion Red



UC2510
Terracotta
Metallic



ULTRACORE IQ

MASONIC CARE WA

Architect Doepel Marsh Architects
Builder Badge Constructions (WA)
Address 6 Eveline Road, Middle Swan WA, Australia
Product ULTRACORE IQ Intelligent Non-Combustible Core Panel
Colours



UC9205
Champagne
Metallic



UC9137
Dark Grey
Metallic



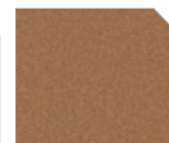
UC8310
Rustic Pine

XAVIER COLLEGE

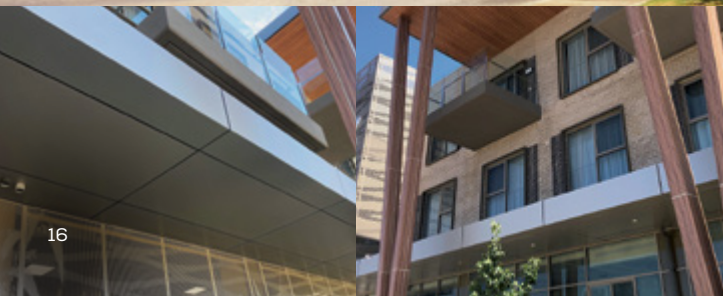
Architect Edge Architects
Builder Mossop Construction + Interiors
Address 1 Benjamin Franklin Boulevard, Two Wells SA, Australia
Product ULTRACORE IQ Intelligent Non-Combustible Core Panel
Colours



UC4370
Satin Brown
Metallic



UC9809
Copper Metallic



ULTRACORE IQ

437 ROBERTS ROAD

Architect Meyer Shircore & Associates

Builder Subiaco Building Company

Address 437 Roberts Road, Subiaco WA, Australia

Product ULTRACORE IQ Intelligent Non-Combustible Core Panel

Colours



UC1025
Arctic Gloss



UC9137
Dark Grey
Metallic



UC9130
Carbon Black

AMAZON DISTRIBUTION FACILITY

Architect Watson Young Architects

Builder Capstone Constructions

Address 2 Centurion Place, Jandakot WA, Australia

Product ULTRACORE IQ Intelligent Non-Combustible Core Panel

Colours



UC1270
Hunter Grey



UC1005
Arctic White



UC9308
Bronze Metallic



UC2995
Prime Blue
(Custom Colour)



ULTRACORE IQ

ITECHWORLD OFFICES

Architect Vespoli Constructions

Builder Vespoli Constructions

Address 150 Great Eastern Highway, Ascot WA, Australia

Product ULTRACORE IQ Intelligent Non-Combustible Core Panel

Colours



UC1255
Volcanic Grey



UC1005
Arctic White



UC9701
Sterling Silver
Metallic



UC1190
Pilbara Orange
(Custom Colour)



BMW MELBOURNE

Architect Gray Puksand

Builder Hansen Yuncken

Address 209 Kings Way, South Melbourne VIC, Australia

Product ULTRACORE IQ Intelligent Non-Combustible Core Panel

Colours



UC609926
BMW White
(Custom Colour)



ULTRACORE IQ

MONARTO WILD AFRICA RESORT

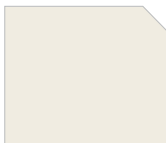
Architect Intro Architecture
Builder Long Contracting Pty Ltd
Address 63 Monarto Rd, Monarto SA, Australia
Product ULTRACORE IQ Intelligent Non-Combustible Core Panel
Colours



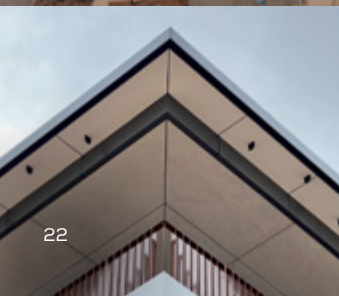
UC1270
Hunter Grey



UC9137
Dark Grey
Metallic



UC9902
Clean White



THOMAS FOODS INTERNATIONAL

Architect Bell Architecture (SA)
Builder Badge Constructions (SA)
Address 26 Wilkin Road, Pallamana SA, Australia
Product ULTRACORE IQ Intelligent Non-Combustible Core Panel
Colours



UC3760
TFI Green
(Custom Colour)





We've Got It Covered



V0224



Blue Chip Group Pty Ltd

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